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UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Application of:
Xunmig Deng et al.

) Confirmation No.: Not yet known
) Group Art Unit: Not yet known
)

Serial No.: 10/589,691

)
) Examiner: Not yet known
)

Filed: August 17, 2006

)

For: INTERCONNECTED
PHOTOELECTROCHEMICAL CELLS)

) Attorney Docket: 1-25578
)

Mail Stop Amendment
Commissioner for Patents, P.O. Box 1450
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INFORMATION DISCLOSURE STATEMENT


Honorable Sir:

Pursuant to 37 C.F.R. 1.97(b), record is hereby made of information which the Patent Office may wish to consider in connection with its examination of the above-identified application. Copies of such information, as well as a completed PTO-1449 form (2 pages), are enclosed, with the exception of US Patents.

Respectfully submitted,

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 Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/589,691
				Filing Date	8-17-2006
				First Named Inventor	Xunming Deng
				Group Art Unit	Not yet known
Examiner Name	Not yet known				
Sheet	1	of	1	Attorney Docket Number	1-25578/PHYS 00104
U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code (if known)			
		US- 4,090,933	05-23-1978	Nozik	
		US- 4,144,147	03-13-1979	Jarrett et al	
		US- 4,172,925	10-30-1979	Chen et al.	
		US- 4,215,182	07-29-1980	Ang et al.	
		US- 4,236,984	12-02-1980	Grantham	
		US- 4,310,405	01-12-1982	Heller	
		US- 4,315,973	02-16-1982	Manassen et al.	
		US- 4,427,749	01-24-1984	Graetzel et al.	
		US- 4,501,804	02-26-1985	Bockris et al.	
		US- 4,511,638	04-16-1985	Sapru et al.	
		US- 4,528,252	07-09-1985	Yamazaki	
		US- 4,544,470	10-01-1985	Hetrick	
		US- 4,628,013	12-09-1986	Figard et al.	
		US 4,643,817	02-17-1987	Appleby	
		US- 4,650,554	03-17-1987	Gordon	
		US- 4,656,103	04-07-1987	Reichman et al.	
		US- 4,963,508	10-16-1990	Umeno et al.	
		US- 5,019,227	05-28-1991	White et al.	
		US- 5,107,104	04-21-1992	Miyasaka	
		US- 5,885,725	03-23-1999	Toyama et al.	
		US- 5,916,678	06-29-1999	Jackson et al.	
		US- 6,150,605	11-21-2000	Han	
		US- 6,198,037	03-06-01	Nakata	
		US- 6,361,660	03-26-2002	Goldstein	
		US- 6,471,850	10-29-2002	Shiepe et al.	
		US- 6,471,834	10-29-2002	Roe et al	
		US- 2004/0003837	01-08-2004	Mauk	
		US- 2005/0205128-A1	09-22-2006	Deng	
		US- 2005/0211290-A1	09-29-2005	Deng	
Examiner Signature				Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.
 (Information Disclosure Statement - Section 2. FORM 1449A/PTO (PTO/SB/08A) page 1 of 2)

Substitute for form 1449B/PTO

DEC 15 2006

Complete if Known

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	1-25578/PHYS 00104
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J.R. Bolton "Solar photoproduction of hydrogen: a review", Solar Energy, 57, 37 (1996).	
		S.S. Kocha, D. Montgomery, M.W. Peterson, J.A. Turner, "Photoelectrochemical decomposition of water utilizing monolithic tandem cells", Solar Energy Materials & Solar Cells, 52, 389 (1998).	
		S. Licht, "Efficient solar generation of hydrogen fuel -- a fundamental analysis", Electrochemistry Communications 4, 790 (2002).	
		P.K. Shukla, R.K. Karn, A.K. Singh, O.N. Srivastava, "Studies on PV assisted PEC solar cells for hydrogen production through photoelectrolysis of water", Int. J. of Hydrogen Energy, 27, 135 (2002).	
		X. Gao, S. Kocha, A. Frank, J.A. Turner, "Photoelectrochemical decomposition of water using modified monolithic tandem cells", Int. J. of Hydrogen Energy, 24, 319 (1999).	
		R.E. Rocheleau and E.L. Miller, "Photoelectrochemical production of hydrogen: Engineering loss analysis", Int. J. Hydrogen Energy, 22, 771 (1997).	

FOREIGN PATENT DOCUMENTS

Cite No.	Foreign Patent Document Country Code-Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
	PCT US2005/005121	05-27-2004	Deng	Search Report	
	JP 62-92380	27 April 1987	Owada et al.		
	JP-2000264053	09-26-2000	Bosch Automotive		x
	JP-402277592A	11-14-1990	Kawabata		x
	WO 2004/050961	06-17-2004	Deng et al.		x

Examiner Signature	/Matthew Martin/	Date Considered	04/13/2009
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(Information Disclosure Statement -- Section 2. FORM 1449A/PTO (PTO/SB/08A) page 2 of 2)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /M.M./